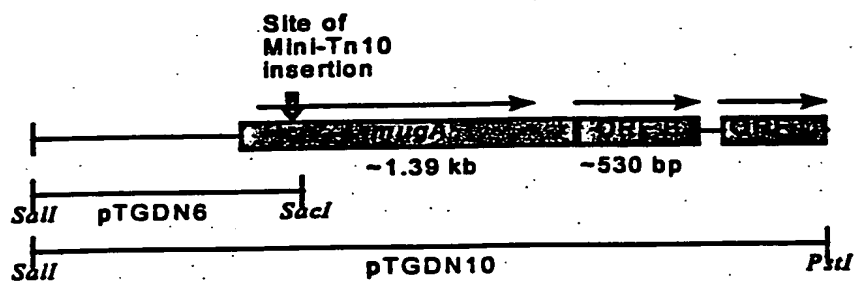Fig. 1

1 GTCGACTTAT TGCATTGATG GCGTACATGG TAGTGCCATC CTTCGTTTGC TAACAAGCGT TGTATAAAAG

71 CTTGGTCGGT TTCATCAAGT TGAACACAAT ACTCATGATT TTTCCCACTT CCGGAAAGGG AAAAGTGAAA

141 ATAGCTTTTG AGATCAGCCT GTTCTAGCAG CTTTTCAATG ATCTTTTTCG TCGTTAGGTT TTGAAAAATC

211 TGACGACTGC GTTTGTATTG CAACAAGCTA AGTGGATCCA ATATCTCTAT TTGATAATAA AACTGCTGCT

281 TGTCTTTGCT ATATGCTGTG AATTGCAGAG TGCTACATAT ACCTGAAAAA AAACGCTTTC CAGGAATCTAA

351 TTCGTAAGAC ACACAAACAG CTTTACCTAG GTTTTTGGTA TCGATCTCCA TGTTTGCCGC GATGGAAACG

421 GAAAACTGAC ACCCGCCCGA TACGCTTTCC TCTCCGGATTA ATTGCGTGAC AATATAACTT TTGCTATCTG

491 AAAGCTTAAT GGTGAGGGAG CGGGTTTGGT GCTTTAATTC GTTACTGCTC ATATTCAATT AATTCACTAT

561 TAAATAAACA GTTCTAAAAG GCTGTTTATT GGATGAAATAT TCGAAATTAT CACATAATAA TTGATGCTAT

631 TATTACTTGC TGTATTGGTA TCAACTTTCA TGCTCTATAC ATGTAATATA TTTCGAGTTA GAGCTTAATT

701 CAAGGTAATT TGTCTATTTA ATTATTATCT GAATAATATG TAATCGATTG CTTTGTGGTT ATTTTTATGT

771 TTGTTTCATT TTTAATGACG GTGAGCTTGT GCATTCATAT TTTTTATGAT GACAACATCT TTGATGAAGT

841 ATTTAAGATA TTGTTAATGC ATGAGCGGGTT TGCGTGTATT TTTTATATTA AATCATAATA AAATCAACAA

911 TATATGTTAT TTTGTGTCTT TTTATAGTGT TCTTTTAAAG AGGTAGGATG ACCTAAAGGT CGCCTAAATA

981 TGGCGTAAAT TGCCATTGCT ATAATTCACC TCAAAGATAC ACTATTGGCA AATTGACAAA TATGTCACTT

1051 CGTATGAAAC AATATTAGTA GATGTTGTTT TTGCTGCAAA AATAAAAATT TTTCTGGTTG AAATAACTCA

1121 AGGGCTCTAG CGTTTTCCTT TATCTTAAAA TACAGGAAAT AGCGATTGAA GTTAATTGAC ACTTAAGCCA
              S-D   →ORF A/mcgd
1191 ATAGTCAACC TAACAGAGCA GGAACCTATG CCTTTGTCAA AGCATCAAAT TGAGCAACTT TCTAAACCTC

1261 TGAGTGATGA TTCGATCTGT GGCGTTTATC TTAAACTGGA AAAAGTGCT TTTCGCCCAT TACGTAATGA

1331 ATTTAATGTC GCGCAAACTG CGCTGCCTAA GCTAAGTCAA AACCCTAGTG CTGACGAGAG AGATGCGTTA

1401 CAAGAGGCA TGTCTAAATA AGTGGAAGAT TCTCTCTGAC AGTTGTACG AACAGTTTTC AAAACAACC

1471 AGAGATATCG AGCTCATCTC ATGGTTTGTT GCTGCTCAAT TCCTTCTCGA TACCACATTA GAAAGTGCTG

1541 CGAATAGCCT TGAGTGGTTA GCGGGATTTAA GTGAGAAGCA CTGGGATCAC CTCAACCCTG TACTACCAGT

1611 TGAAACGCTC AAATCTGATG ATGATAAGGG CAAAGAAAGA GAGCAAGCAG ATGCGAAAGT TAAAGCATTT

1681 TTCCAACTAG TCGGCGGATAG CGAGGGAAAGC TCGATTCTCT ATGCGCCGGT GCTGCAACTG CCCTTAGTCG

1751 GGGAAGTGAC GTTTTTTGAC TTTCAAAGTG CAGAGAGAAA AGGCGAAATC AGCCAACTGA AATCTATGCT

1821 TACGACCACG GTGGCGCAAG AGCGTTTCGC AATTCAATTC AAGATGGAAA AGCCCAAACG TTGTGTCACC

1891 CAATTAGATC GTTTGTCAGC GTTGGTGAGC ACTAAGTGTC ATTCTCTAGG CAGTCAAAGT ACCAACTTCG

1961 GATTTCCGAA GTCACTGCTT ACCCGTGTTG AAAACGCTTT GGTTCATCTA AGTGGAATTA AGTTAGCACC

2031 GAAAGCCGAG GCCAAGACAG TAGAGCAAGA GGTTGCCGAA AGTTCAGTTT CTGAAAGGGGA GCTGCCAAGC

2101 CATATGGATA CAAAACATAT AGAGCGAATA CCGATGGGCAT CAGAGCGACGC TCAGACGGTA AGCCAACACT

2171 TACACGCAGG AAACCTCTCT GAACTGGGTA ATTTAAACAA TATGAACCGA GACTTAGCTT TCCATTTGTT

2241 GAGAGAAGTC TCTGATTATT TTCGCCAGAG CGAACCGCAT AGCCCAATTT CATTTTTGTT AGAAAAAGCG

2311 ATTCGATGGG GATATTTATC CTTACCTGAG TTGCTGCGAG AAATGATGTC GGAACAAAAC GGTGACGCTC

2381 TTAGTACGAT TTTTAATGCC GCCGGATTGA ATCATCTCGA TCAGGTTTTG CTGCCGGAGG TGAGTACTCC

2451 AACGGTGGGC ATTGAAAGCC CCCAAACACC TCAAGCGAAG CCTTCCGTTT CGGATCCGCG AAGTGTTGAA

2521 GAGCATGTAT CTCAGACTTC CCCTGTAGAT ACCCAATCTA AGCAAGATCA AAAACCACAA TCATCCGCTA

2591 CGTCCGGCTCT GAGTTGGTAA TTGTGTTTAA AAAATAAGGA AAAATCATGG CAAGTATTTA CATGCGTGTA
                              ·   S-D   →ORF B
2661 AGCGGTCTTC AAGTTGAGGG CGCAGCGACT ATCGGTCAGC TAGAAACGGC TGAAGGTAAA AATGACGGTT

2731 GGTTTGCAAT CAACTCTTAC TCTTGGGGTG GCGCTCCTAA CGTTGCTATG GACATCGGTA ACGGCACCAA

2801 TGCGGATTCA GGCATGGTTG GCGTAAGCGA AGTTAGCGTA ACTAAAGAAG TCGATGGTGC TTCTGAAAGAC

2871 CTACTGTCTT ATTTATTCAA CCCAGGGTAAA GACGGGTAAA CTGTTGAGGT TGCATTTACT AAGCCTTCTA

2941 ACGATGGTCA AGGTGCAGAC GTTTACTTCC AAGTTAAGCT AGAAAAAGCA CGTTTAGTTT CTTACAACGT

3011 GAGCCGGGACT GACGGGATCTC AACCGTACGGA GAGCCTATCT CTTTCTTACA CTTCTATTTC TCAGAAGCAT

3081 CACTATGAGA AAGAAGGTGG TGAACTACAA AGCGGTGGTG TTGTGACTTA CGACCTACCG ACCGGGAAAA

3151 TGACTTCTGG TAAGTAATTC TTTCATTAGA CATGCCACGT TAATTGGCAT GTCTATTTCA TGAATATCTC
              S-D   →ORF C
3221 ATTTTAGGAC ACCGTTATGG CATTGAACTC ACAACATAAG CGCGTTAGTA AGAACCGTGT CAGCATCAC

3291 CTATGACGTT GAAACGAATG GCGCCCGTAA GACGAAAGAG CTGCCGTTTG TTGTTGGCGT CATTGGCGAC

3361 TTTTCAGGAC ACAAACCAGA ATCAGAAAAA GTTGATTTAG AAGAGCGAGA GTTCACGGGT ATCGATAAAG

3431 ACAACTTCGA TACAGTGATG GGGCAAATTC ACCGCGCGTCT TTCGTACAAG GTTGATAACA AGCTTGCTAA

3501 TGATGATAGC CAGTTTGAAG TGAACTTGAG CCTCCGTTCG ATGAAAGATT TCCACCCAGA GAACTTAGTT

3571 GATNAAATTG AGCCGCTTAA

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  1   MPLSKHQIEQLSKPLSDDSICGVYLKLEKSAFRPLRNEFNVAQTALRKLSQNPSADERDALQEACLNKWK
 71   ILSDSLYEQFSKTTRDIELISWFVAAQFLLDTTLESAANSLEWLADLSEKHWDHLNPVLPVETLKSDDDK
141   GKEREQADAKVKAFFQLVGDSEESSILYAPVLQLPLVGEVTFFDFQSAERKGEISQLKSMLTTTVAQER
211   FAIQFKMENAKRCVTQLDRLSALVSTKCHSLGSQSTNFGFAKSLLTRVENALVHLSGIKLAPKAEAKTVE
281   QEVAESSVSEGELPSHMDTKHIERIPMASEQAQTVSQHLHAGNLSELGNLNNMNRDLAFHLLREVSDYFR
351   QSEPHSPISFLLEKAIRWGYLSLPELLREMMSEQNGDALSTIFNAAGLNHLDQVLLPEVSTPTVGIESPQ
421   TPQAKPSVSDPRSVEEHVSQTSPVDTQSKQDQKPQSSATSALSW*
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Fig. 3a

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  1    MASIYMRVSGLQVEGAATIGQLETAEGKNDGWFAINSYSWGGARNVAMDIGNGTNADSGMVGVSEVSVTK
 71    EVDGASEDLLSYLFNPGKDGKTVEVAFTKPSNDGQGADVYFQVKLEKARLVSYNVSGTDGSQPYESLSLS
141    YTSISQKHHY EKEGGELQSGGVVTYDLPTGKMTSGK*
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Fig. 3b

1   MALNSQHKRVSKNRVSITYDVETNGAVKTKELPFVVGVIGDFSGHKPESEKVDLEEREFTGIDKDNFDTV
71 MGQIHPRLSYKVDNKLANDDSQFEVNLSLRSMKDFHPENLVDXIEPL

Fig. 3c